



STRANDED CENTER

CONDUCTOR

RF Cable Assemblies Technical Data Sheet

ET32481

Configuration

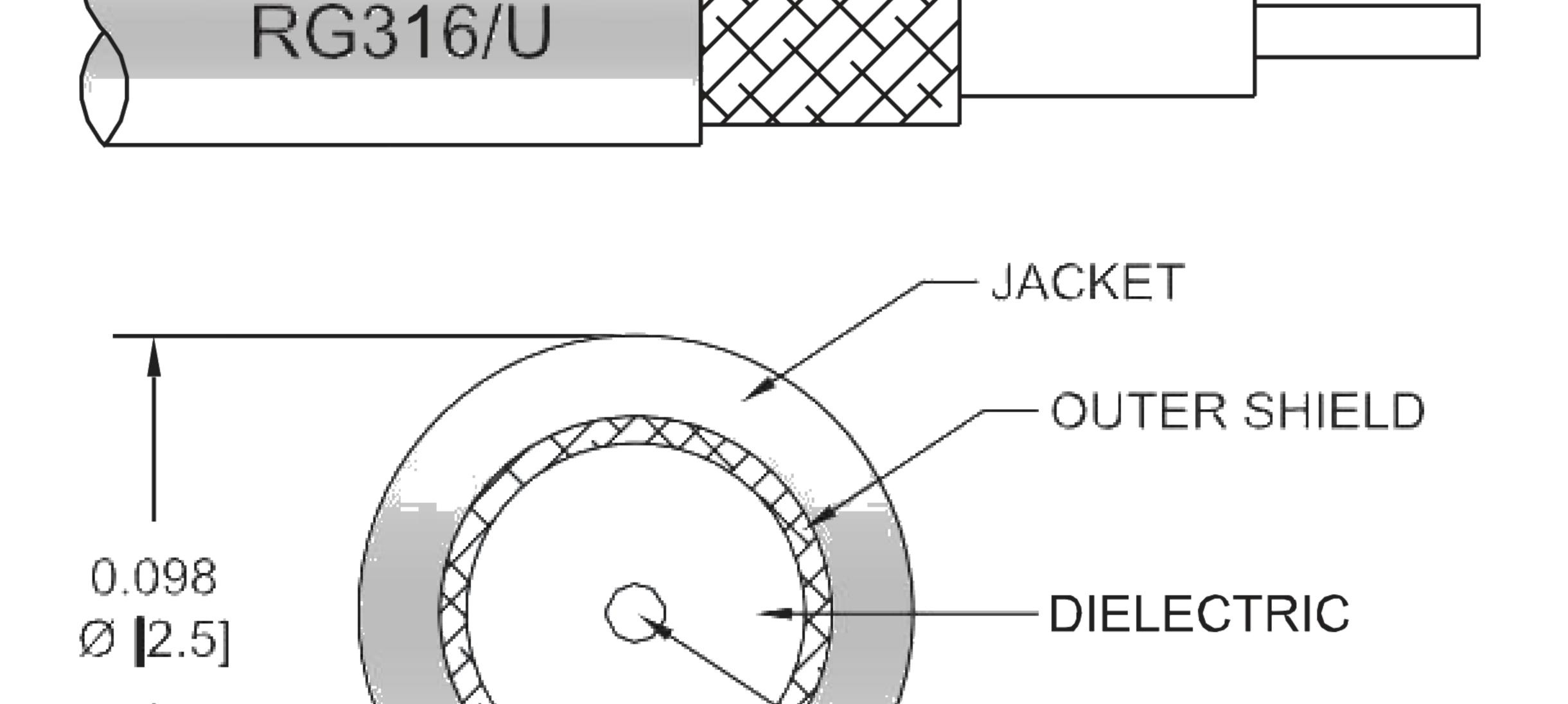
Connector 1: SMA Male

Connector 2: Push-OnSMP Female Right Angle

Cable Type: ET-RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET32481 SMA male to SMP female push-on right angle 150 cm cable using ET-RG316 coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock SMA to SMP cable assembly has a male to female gender configuration with 50 ohm flexible ET-RG316 coax. The ET32481 SMA male to SMP female cable assembly operates to 3 GHz. The right angle SMP interface on the ET-RG316 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to Push-On SMP Female Right Angle Cable 150 cm Length Using ET-RG316 Coax ET32481





RF Cable Assemblies Technical Data Sheet

ET32481

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	1.09	1.47	2.17	2.91	3.16	dB

Electrical Specification Notes:

The Insertion Loss data above is base on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

Mechanical Specifications

Cable Assembly

Length* 59.05 in [149.99 cm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG316
50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type

Number of Shields

1

Shield Layer 1
Silver Plated Copper Braid
FEP, Tan

Jacket Diameter 0.098 in [2.49 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to Push-On SMP Female Right Angle Cable 150 cm Length Using ET-RG316 Coax ET32481

www.ebeestock.com





RF Cable Assemblies Technical Data Sheet

ET32481

Connectors

Description	Connector 1	Connector 2
Туре	SMA Male	SMP Female Right Angle
Specification		MIL-STD-348A
mpedance	50 Ohms	50 Ohms
Connection Method		Push-On
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification		30μ in. minimum
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating		Beryllium Copper, Gold
Outer Conductor Plating Specification		3μ in. minimum
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		3μ in. minimum
Coupling Nut Material and Plating	Brass, Gold	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

Mechanical Specification Notes:

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to Push-On SMP Female Right Angle Cable 150 cm Length Using ET-RG316 Coax ET32481

^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





RF Cable Assemblies Technical Data Sheet

ET32481

How to Order

Part Number Configuration:

ET3W05274
- xx uu

Unit of Measure:

cm = Centimeters

Length
Base Number

Example: ET3W05274-12 = 12 inches long cable

ET3W05274-100cm = 100 cm long cable

SMA Male to Push-On SMP Female Right Angle Cable 150 cm Length Using ET-RG316 Coax from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to Push-On SMP Female Right Angle Cable 150 cm Length Using ET-RG316 Coax ET32481

URL: https://www.ebeestock.com/sma-male-to-push-on-smp-female-right-angle-cable-12-inch-length-using-rg316-coax-0032474

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

